UNITED STATES PATENT AND TRADEMARK OFFICE

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EXAMINER
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *14 November 2008*.
2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *22-44* is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) *22-44* is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All   b)☐ Some * c)☐ None of:
        1.☐ Certified copies of the priority documents have been received.
        2.☐ Certified copies of the priority documents have been received in Application No. _____.
        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.
5)☐ Notice of Informal Patent Application
6)☐ Other: _____.

DETAILED ACTION

Response to Arguments

1.　　Applicant's arguments filed 11/14/08 have been fully considered but they are not persuasive.

The applicant argues on pages 8 and 9 of the response in essence that:

Roosen '793 does not disclose transmitting display control information from a data processing device to a client terminal.

　　　　a.　　Roosen '793 discloses that the web server dynamically prepares a web page containing the request information and sends the prepared web page to the requesting browser of a work station (page 6, paragraph 99). A web page determines how it is displayed on a web browser, and therefore it can be considered display control information.

Claim Objections

2.　　Claims 22, 24, 32 are objected to because of the following informalities: Claims 22, 24, 32 contain typographical errors on lines 2, 3, and 2 of the claims respectively. Appropriate correction is required.

Claim Rejections - 35 USC § 112

3.　　The following is a quotation of the second paragraph of 35 U.S.C. 112:

> The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4.   Claims 26-35 are rejected under 35 U.S.C. 112, second paragraph, as being

indefinite for failing to particularly point out and distinctly claim the subject matter which

applicant regards as the invention. Claims 26, 27, 29, 31 and 33 depend on claim 1

which has been previously canceled.

Claim Rejections - 35 USC § 102

5.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (a) the invention was known or used by others in this country, or patented or described in a printed
> publication in this or a foreign country, before the invention thereof by the applicant for a patent.

6.   Claims 22- 34 and 36-43 are rejected under 35 U.S.C. 102(a) as being

anticipated by Roosen '793.

Referring to **claim 22**, Roosen '793 discloses a method of controlling the display

on a client terminal (30) (WS of Fig. 1, page 1-2, paragraph 19) of the status of a data

processing apparatus (10) (PR of Fig. 1, pages 1-2, paragraph 19) connected to the

client terminal (30) via a network (20) comprising:

providing a status request to the data processing apparatus (10) (page 6,

paragraph 109, browser of workstation asks for updated frames at predetermined

intervals from web server);

transmitting display control information to the client terminal (30) for controlling

the display of statuses of the data processing apparatus (10) by the client terminal (30)

(page 6, paragraph 99, web server dynamically prepares a web page containing the

request information and sends the prepared web page to the requesting browser of a

workstation);

transmitting status update information to the client terminal (30) (page 6,

paragraph 104, device statutes frame presents statuses of all printers); and

displaying the updated status in accordance with the display control information

(page 6, paragraph 99, all the workstations have a web browser [for displaying the web

page]);

the method further comprising storing the display control information at the client

terminal (30), and, in response to a subsequent status request, transmitting status

update information and displaying the updated status in accordance with the stored

display control information (page 6, paragraph 109, browser of workstation asks for

updated frames at predetermined intervals from web server).

Referring to **claim 23**, Roosen '793 discloses wherein the display control

information for controlling the display of a status of the data processing apparatus (10)

is assigned identification data corresponding to that status (Fig. 3, page 3, paragraph

47-48, displays printer name).

Referring to **claim 24**, Roosen '793 discloses a status is displayed by selecting

display control information associated with the identification data relating to that status,

and controlling the display of the status using the selected display control information

(page 6, paragraph 104, a specific printer may be selected and information

corresponding to that printer will be provided).

Referring to **claim 25**, Roosen '793 discloses a status is displayed with its identification data (page 6, paragraph 104, device statutes frame presents statuses of all printers).

Referring to **claim 26**, Roosen '793 discloses wherein the display control information comprises image information corresponding to the statuses (Fig. 3, page 3, paragraph 47-48, displays a symbol indicating the status of the printer).

Referring to **claim 27**, Roosen '793 discloses wherein the data processing apparatus (10) stores information relating to its status (page 6, paragraph 109, web server sends status information to the workstation [the status information must be stored before it can be sent]).

Referring to **claim 28**, Roosen '793 discloses status update information is determined when the status of the data processing apparatus (10) changes (page 4, paragraph 56, workstation notified at the time that a change of printer status occurs).

Referring to **claim 29**, Roosen '793 discloses wherein the client terminal (30) stores information relating to the status of the data processing apparatus (10) (page 6, paragraph 109, browser of workstation receives status from web server [received status must be stored before it is displayed]).

Referring to **claim 30**, Roosen '793 discloses the client terminal (30) compares stored status information with status update information received from the data processing apparatus (10) in response to the subsequent data request in order to determine the updated status (page 3, paragraph 44, mode information is dynamic).

Referring to **claim 31**, Roosen '793 discloses wherein the data processing

apparatus (10) stores update interval information for controlling an interval for the

transmission of status update information (page 6, paragraph 109, browser asks for

updated frames at predetermined intervals).

Referring to **claim 32**, Roosen '793 discloses status requests are provided to the

data processing apparatus (10) at an interval based on the update interval information

(page 6, paragraph 109, browser asks for updated frames at predetermined intervals).

Referring to **claim 33**, Roosen '793 discloses wherein the data processing

apparatus (10) is an image forming apparatus (printer 200 of Fig. 2c, page 1-2,

paragraph 19) (page 7, paragraph 111, web server can be built into each printer).

Referring to **claim 34**, Roosen '793 discloses the status of the data processing

apparatus (10) indicates that it is able to perform a print function, or that there is an

error (page 4, paragraph 64, display states of the printer including idle and error).

Referring to **claim 36**, Roosen '793 discloses a system comprising a data

processing apparatus (10) (PR of Fig. 1, pages 1-2, paragraph 19) and a client terminal

arranged (30) (WS of Fig. 1, page 1-2, paragraph 19) to communicate with the data

processing apparatus (10) over a network (20), wherein:

the data processing apparatus (10) is arranged to transmit status update

information to the client terminal (30) in response to receiving a first status request

(page 6, paragraph 109, browser of workstation asks for updated frames at

predetermined intervals from web server), and to provide display control information to

the client terminal (30) for controlling the display of statuses of the data processing

apparatus (10) by the client terminal (30) (page 6, paragraph 99, web server

dynamically prepares a web page containing the request information and sends the

prepared web page to the requesting browser of a workstation);

the client terminal (30) is arranged to display the updated status in accordance

with the received display control information, and to store the display control information

(page 6, paragraph 99, all the workstations have a web browser [for displaying the web

page]);

the data processing apparatus (10) is arranged to transmit status update

information to the client terminal (30) in response to receiving a second status request;

and the client terminal (30) is arranged to display the updated status in accordance with

the stored display control information (page 6, paragraph 109, browser of workstation

asks for updated frames at predetermined intervals from web server).

Referring to **claim 37**, Roosen '793 discloses a data processing apparatus (10)

(PR of Fig. 1, pages 1-2, paragraph 19) having means (14) for communicating with a

client terminal (30) (WS of Fig. 1, page 1-2, paragraph 19), comprising:

means (11) for storing status information (page 6, paragraph 109, web server

sends status information to the workstation [the status information must be stored

before it can be sent]); and

means (13) for storing display control information for controlling the client

terminal (30) to display the status of the data processing apparatus (10) (page 6,

paragraph 99, web server dynamically prepares a web page containing the request

information and sends the prepared web page to the requesting browser of a

workstation);

wherein the communication means (14) is arranged to transmit first status update

information and display control information to the client terminal (30) in response to a

first status request (page 6, paragraph 109, browser of workstation asks for updated

frames at predetermined intervals from web server), and to transmit second status

update information to the client terminal (30) in response to a second status request

(page 6, paragraph 109, browser of workstation asks for updated frames at

predetermined intervals from web server), the second status update information being

for display by the client terminal (30) in accordance with the display control information

transmitted in response to the first request (page 6, paragraph 99, all the workstations

have a web browser [for displaying the web page]).

Referring to **claim 38**, Roosen '793 discloses comprising means for generating

status update information (12) when the status of the apparatus changes (page 4,

paragraph 56, workstation notified at the time that a change of printer status occurs).

Referring to **claim 39**, see the rejection of claim 23 above.

Referring to **claim 40**, see the rejection of claim 24 above.

Referring to **claim 41**, see the rejection of claim 26 above.

Referring to **claim 42**, see the rejection of claim 33 above.

Referring to **claim 43**, see the rejection of claim 34 above.

Claim Rejections - 35 USC § 103

7.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

8.   Claims 35 and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable

over Roosen '793 as applied to claims 34 and 43 above, and further in view of Kagita

Patent No. 5,620,264.

        Referring to **claim 34**, Roosen '793 discloses indicating an error status of the

data processing apparatus, but does not disclose expressly indicating the error type.

        Kagita '264 discloses error status information indicates an error type (col. 5, lines

30-43, indicating the error type and the number of errors that have occurred).

        At the time of the invention, it would have been obvious to a person of ordinary

skill in the art to indicate an error type of a printer. The motivation for doing so would

have been to notify a user of the cause of a printer error so that corrective measures

could be taken. Therefore, it would have been obvious at the time of the invention to

combine Kagita '264 with Roosen '793 to obtain the invention as specified in claim 34.

        Referring to **claim 44**, see the rejection of claim 35 above.

Conclusion

9.   Applicant's amendment necessitated the new ground(s) of rejection presented in

this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP

§ 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37

CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within

TWO MONTHS of the mailing date of this final action and the advisory action is not

mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Peter K. Huntsinger whose telephone number is

(571)272-7435. The examiner can normally be reached on 9-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, David Moore can be reached on (571)-272-7437. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Peter K. Huntsinger/
Examiner, Art Unit 2625

/David K Moore/
Supervisory Patent Examiner, Art Unit 2625